

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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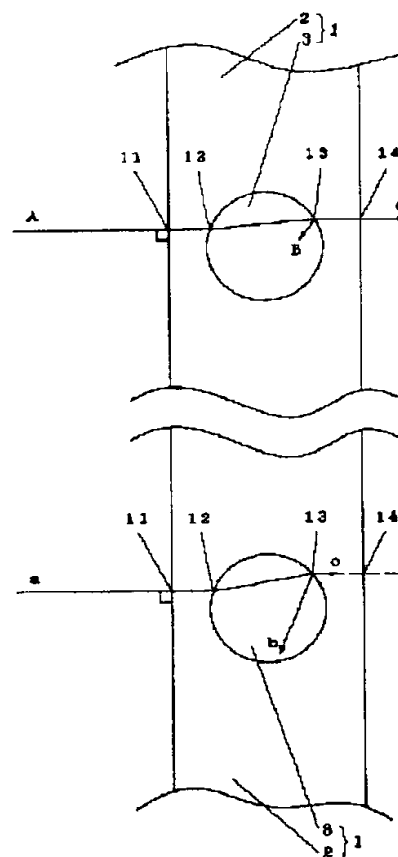
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G01V 8/10

TITLE : INFRARED SENSOR



ABSTRACT : PURPOSE: To efficiently receive infrared energy near  $10\mu\text{m}$  to be detected by reducing erroneous operation due to external light including near infrared rays.

CONSTITUTION: A granular zinc selenide(ZnSe) having such characteristics that the refractive index in a wavelength region of about  $10\mu\text{m}$  is equivalent to that of a high-density polyethylene 2 and the refractive index of a shorter wavelength region than  $10\mu\text{m}$  is larger than the refractive index of the high-density polyethylene is mixed and diffused into the polyethylene 2 having characteristics high in transmittance and low in refractive index in the wavelength region of about  $10\mu\text{m}$  to be used as a material for forming cover or lens of the infrared sensor.

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